

PATENT

Atty. Dkt. No. NVDA/P001024

IN THE SPECIFICATION:

Please replace paragraph [0085] with the following rewritten paragraph:

[0001] In step 837 Control Unit 860 identifies the least recently used (LRU) entry in Tile Lookup Unit 850 and outputs a flush token to Read Interface 153, the flush token including the tile number corresponding to the LRU entry and proceeds to step 839. If, in step 825, Control Unit 860 determines the comparison indicates there is not any overlap, then in step 82[[5]]7 Control Unit 860 updates the coverage mask data stored in Tile Storage Unit 855 by writing a combination, e.g., bitwise OR, of the coverage mask data read from Tile Storage Unit 855 and the coverage mask data received via Input 851. In step 839 Conflict Detection Unit 153 passes the x,y position to Read Interface 153 for further processing.

Please replace "CLAIMS:" on page 48 with "The invention claimed is:"

Please replace the abstract with the following amended abstract:

~~Apparatuses and methods for detecting position conflicts during fragment processing are described.~~ Prior to executing a program on a fragment, a conflict detection unit, within a fragment processor checks if there is a position conflict indicating a RAW (read after write) hazard may exist. A RAW hazard exists when there is a pending write to a destination location that source data will be read from during execution of the program. When the fragment enters a processing pipeline, each destination location that may be written during the processing of the fragment is entered in conflict detection unit. During processing, the conflict detection unit is updated when a pending write to a destination location is completed.